

FORM PTO-1449			
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE			
STATEMENT (use several sheets if necessary)			
SERIAL NO.	08/410,539	CASE NO.	7823/5
FILING DATE	March 24, 1995	GROUP ART UNIT	18/17
APPLICANT(S): Matthew B. Wheeler			

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
A1	5,175,383	12/1992	Leder et al.	822/2	02/17/89
A2	5,175,384	12/1992	Krimpenfort et al.	822/2	12/05/88
A3	5,175,385	12/1992	Wagner et al.	822/2	09/03/87

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO
A4	EP 0169672	01/1986	EPO		
A5	WO 90/03432	04/1990	PCT		
A6	WO 90/01541	02/1990	PCT		
A7	WO 92/22646	12/1992	PCT		
A8	GB 2,213,831	08/1989	UK		
A9	WO 94/03585	02/1994	PCT		

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
A10	Axelrod, H.R., "Embryonic Stem Cell Lines Derived from Blastocysts by a Simplified Technique," <i>Developmental Biology</i> , 101:225-228 (1984).	
A11	Bazer, F.W., et al., "Fertilization, Cleavage and Implantation," in <i>Reproduction in Farm Animals</i> , 5th ed., ed. Hafez, E.S.E., Lea & Febiger, Philadelphia, PA (1987).	
A12	Bearden, J.H., et al., "Gestation," <i>Applied Animal Reproduction</i> , pp. 85-98, Reston Publishing Company, Reston, VA (1980).	

EXAMINER	DATE CONSIDERED
<i>B. Wheeler</i>	3/15/97

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OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
A13	Bishop, Jerry E., "Sheep-cloning Method Holds Promise Of Fast Introduction of Livestock Traits, News Article, 1996.	
A14	Black, G.T., et al., "Single-Base Polymorphisms and DNA Sequence of the Porcine α -Lactalbumin 5' Flanking Region," <i>J. Dairy Sci.</i> , (Suppl.1):946 (1994).	
A15	Bradley, A., et al., "Formation of germline chimeras from embryo-derived teratocarcinoma cells lines," <i>Nature</i> , 309:255-256 (1984).	
A16	Brinster, et al., "Targeted correction of a major histocompatibility class II E α gene by DNA microinjected into mouse eggs," <i>Proc. Natl. Acad. Sci.</i> , 86:7087-7091 (1989).	
A17	Capecchi, Mario R., "The new mouse genetics: Altering the genome by gene targeting," <i>Trends in Genetics</i> , 5(3):70-76 (1989).	
A18	Clark, A.J., et al., "Germ line manipulation: applications in agriculture and biotechnology," <i>Transgenic Animals</i> , p. 250, Grosfeld, et al., eds., Academic Press Limited (1992).	
A19	Clark, et al., "Expression of human anti-hemophilic factor IX in the milk of transgenic sheep," <i>Biotechnology</i> , Vol 7:487-492 (1989).	
A20	Crutz, Y.P., et al., "Origin of embryonic and extraembryonic cell lineages in mammalian embryos," in <i>Animal Application of Research in Mammalian Development</i> , eds. Pedersen, R.A., et al., Cold Spring Harbor Laboratory Press, Plainville, NY (1991).	
A21	Doetschman, T., et al., "Establishment of Hamster Blastocyst-Derived Embryonic Stem (ES) Cells," <i>Developmental Biology</i> , 127:224-227 (1988).	
A22	Ebert, K.M., et al., "Changes in Domestic Livestock through Genetic Engineering," in <i>Current Communications & Cell & Molecular Biology, Animal Applications of Research in Mammalian Development</i> , ed. Pederson et al., Cold Springs Harbor Laboratory Press, pp. 233-266 (1991).	

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A23	Evans, M.J., et al., "Establishment in culture of pluripotent cells from mouse embryos," <i>Nature</i> , 292:154-156 (1981).		
A24	Rajfar-Whetstone, C.F., et al., "Sex Determination of Porcine Pre-Implantation Embryos via Y-Chromosome Specific DNA Sequence," <i>Anim. Biotech.</i> , 4:183-193 (1993).		
A25	Flake, A.W., et al., "Transplantation of fetal hematopoietic stem cells in utero: the creation of hematopoietic chimeras," <i>Science</i> , vol. 233 (1986).		
A26	Frohman and Martin, "Cut, paste, and save: New approaches to altering specific genes in mice," <i>Cell</i> , 56:145-147 (1989).		
A27	Gosliet, A., et al., "Transgenesis by means of blastocyst-derived embryonic stem cell lines," <i>Proc. Natl. Acad. Sci. USA</i> , 83:9065-9069 (1986).		
A28	Hagen, D.R., et al., <i>J. Anim. Sci.</i> , 69:1147-1150 (1991).		
A29	Handyside, A., et al., "Towards the isolation of Embryonal Stem Cell Lines from the sheep," <i>Roux's Arch. Developmental Biology</i> , 196:185-190 (1987).		
A30	Hasty, et al., "The length of homology required for gene targeting in embryonic stem cells," <i>Molecular and Cellular Biology</i> , 11(11):5586-5591 (1991).		
A31	Hogan, et al., "Isolation of Pluripotential Stem Cell Lines," <i>Cold Spring Harbor Laboratory - Manipulating the Mouse Embryo: A Laboratory Manual</i> , Section E:205-218 (1986).		
A32	Hooper, M.C., <i>Teratocarcinomas and Embryonic Stem Cells: A Practical Approach</i> , ed. Robertson, E.J., IRL Press, Ltd., Oxford, UK, 51-70 (1987).		
A33	Jasin and Berg, "Homologous integration in mammalian cells without target gene selection," <i>Genes & Development</i> , 2:1353-1363 (1988).		

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A34	Jeannotte, et al., "Low level of Hox1.3 gene expression does not preclude the use of promoterless vectors to generate a targeted gene disruption," <i>Molecular and Cellular Biology</i> , 11(11):5578-5585.	
A35	Karg, H., "Manipulation of Lactation," in <i>Biotechnology for Livestock Production</i> , Plenum Press, New York and London, 19:181-206 (1989).	
A36	Karg, H., "Manipulation of Growth," in <i>Biotechnology for Livestock Production</i> , Plenum Press, New York and London, 18:159-180 (1989).	
A37	Kollas, G., et al., "The study of gene regulation in transgenic mice," <i>Transgenic Animals</i> , p. 92, Grosveld, et al., eds., Academic Press Limited (1992).	
A38	Lewin, H.A., et al., "Mapping Genes for Resistance to Infectious Diseases in Animals," in <i>Gene-Mapping Techniques and Applications</i> , Marcel Dekker, Inc., 13:283-304 (1991).	
A39	Mansour, et al., "Disruption of the proto-oncogene int-2 in mouse embryo-derived stem cells: A general strategy for targeting mutations to non-selectable genes," <i>Nature</i> , 336:348-352.	
A40	Martin, G.R., "Teratocarcinomas and Mammalian Embryogenesis," <i>Science</i> , 209:768-776 (1980).	
A41	Martin, G.R., "Isolation of a Pluripotent Cell Line from Early Mouse Embryos Cultured in Medium Conditioned by Teratocarcinoma Stem Cells," <i>Proc. Natl. Acad. Sci. USA</i> , 78(12):7634-7638 (1981).	
A42	Martin, P., et al., "Improvement of milk protein quality by gene technology," <i>Livestock Production Science</i> , 35:95-115 (1993).	
A43	McLaren, A., et al., <i>Nature</i> , 224, pp. 238-240 (1969).	
A44	Mintz, B., <i>Science</i> , 148, 1232-3 (1965).	

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EXAMINER	DATE CONSIDERED
B. Lantz	3/3/97

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A45	Morgenshtern and Land, <i>Nucleic Acids Res.</i> , 18:3587-3596 (1990).	
A46	Mortensen, et al., "Production of homozygous mutant ES cells with a single targeting construct," <i>Molecular and Cellular Biology</i> , 12(5):2391-2395 (1992).	
A47	Nichols, J., et al., "Establishment of germ-line-competent embryonic stem (ES) cells using differentiation inhibiting activity," <i>Development</i> , 110:1341-1348 (1990).	
A48	Notarianni, E., et al., "Maintenance and differentiation in culture of pluripotential embryonic cell lines from pig blastocysts," <i>J. Reprod. Fert., Suppl.</i> 41:51-56 (1990).	
A49	Papadannou, V.E., et al., "Growth and differentiation of an embryonal carcinoma cell line (C145b)," <i>J. Embryol. exp. Morph.</i> , 54, pp. 277-295 (1979).	
A50	Phillips, R.W., et al., Models, pp. 437-440 in <i>Swine in Biomedical Research</i> , ed. Tumbleson, M.E., Vol. 1 (Plenum Press, New York), (1986).	
A51	Piedrahita, J.A., et al., "Influence of Feeder Layer Type on the Efficiency of Isolation of Porcine Embryo-Derived Cell Lines," <i>Theriogenology</i> , 34(5):865-877 (1990).	
A52	Piedrahita, J.A., et al., "On the Isolation of Embryonic Stem Cells: Comparative Behavior of Murine, Porcine and Ovine Embryos," <i>Theriogenology</i> , 34(5):879-901 (1990).	
A53	Polge, C., "Embryo transplantation and preservation," pp. 277-291 in <i>Control of Pig Reproduction</i> , Cole, D.J.A., et al., eds., Butterworth Scientific, London (1982).	
A54	Robertson, E., et al., "Germ-line transmission of genes introduced into cultured pluripotential cells by retroviral vector," <i>Nature</i> , 323:445-448 (1986).	
A55	Robertson, E.J., "Pluripotential stem cell lines as a route into the mouse germ line," <i>Trends Genet.</i> , 2:9-13 (1987).	

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A56	Robertson, E.J., "Embryo-derived Stem Cell Lines," <i>Teratocarcinomas and Embryonic Stem Cells: A Practical Approach</i> , Chap. 4(4.4.2):92, ed. Robertson, E.J., IRL Press (1987).	
A57	Rohrer, G.A., Alexander, L.J., Keele, J.W., Smith, T.P., Beattie, C.W., "A Microsatellite Linkage Map of the Porcine Genome," <i>Genetics</i> , 136:231-245 (1994).	
A58	Rossant, J., et al., "The developmental potential of a euploid male teratocarcinoma cell line after blastocyst injection," <i>J. Embryol. exp. Morph.</i> , 70, 99-112 (1982).	
A59	Rossant, J., et al., "The relationship between embryonic, embryonal carcinoma and embryo-derived stem cells," <i>Cell Differentiation</i> , 15:155-161 (1984).	
A60	Rudnicki, M.A., et al., "Teratocarcinomas and Embryonic Stem Cells: A Practical Approach," <i>Methods and Induction of Differentiation in Embryonal Carcinoma Cell Lines</i> , pp. 19-49, ed. Robertson, IRL Press Ltd., Oxford, England (1987).	
A61	Schook, L.B., et al., "Mapping Genes for Growth and Development," 4:75-92, in <i>Growth of the Pig</i> , ed. Hollis, CAB International, Wallingford, UK (1993).	
A62	Stims, M.M., et al., "Production of Fetuses from Totipotent Cultured Bovine Inner Cell Mass Cells," <i>Theirionogenesis</i> , 39:313 (1993).	
A63	Smith, A.G., et al., "Buffalo Rat Liver Cells Produce a Diffusible Activity which Inhibits the Differentiation of Murine Embryonal Carcinomas and Embryonic Stem Cells," <i>Dev. Biol.</i> , 121:9 (1987).	
A64	Stevens, L.C., "The development of transplantable teratocarcinomas from intratesticular grafts of pre- and post-implantation mouse embryos," <i>Dev. Biol.</i> , 21, 364-382 (1970).	

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A65	Strojek, R.M., et al., "A Method for Cultivating Morphologically Undifferentiated Embryonic Stem Cells from Porcine Blastocysts," <i>Theriogenology</i> , 33(4):901-913 (1990).	
A66	Talbot, N.C., et al., "Alkaline phosphatase staining of pig and sheep epiblast cells in culture," <i>Molecular Reproduction and Development</i> , 36:139-147 (1993).	
A67	Thomas, et al., "High-fidelity gene targeting in embryonic stem cells by using sequence replacement vectors," <i>Molecular and Cellular Biology</i> , 12(7):2919-2923 (1992).	
A68	Thomas, K.R., et al., "Site-Directed Mutagenesis by Gene Targeting in Mouse Embryo-Derived Stem Cells," <i>Cell</i> , 51:503-512 (1987).	
A69	Wall, R.J., et al., "High-level synthesis of a heterologous milk protein in the mammary glands of transgenic swine," <i>Proc. Natl. Acad. Sci. USA</i> , 88, 1696-1700 (1991).	
A70	Ware, C.B., et al., "Development of embryonic stem cell lines from farm animals," <i>Biology of Reproduction</i> , supplement, Vol. 38 (1988).	
A71	Weibel, S.K., et al., "Synchronous and asynchronous transfer of embryos in the pig," <i>J. Animal Science</i> , 30:565-568 (1970).	
A72	Mobus, A.M., et al., "Characterization of a Pluripotent Stem Cell Line Derived from a Mouse Embryo," <i>Exp. Cell Res.</i> , 152:212-219 (1984).	
A73	Murst, W., et al., "Production of targeted embryonic stem cell clones," <i>Gene Targeting A Practical Approach</i> , p. 33, Joyner, A.L., ed., IRL Press (1993).	
A74	Yates, et al., <i>Nature</i> , 313:811-815 (1985).	

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